



H.V. TEST

Specialists in High Voltage
Testing & Diagnostics

HVBD200A Battery Discharge Unit 30V, 110V, 20A

The HVBD200A is a battery discharge unit used mainly to perform a discharge test for industries as: Electric Utilities, Telecom, Mobile, Unicom, etc... It showcases three main functions: its capacity checks, on-line supervision and capacity confirmation. It is highly integrated, small footprint, and multi-functional operation.

Projects

Repairs

Services

Training

Products



Features:

- 30V 110V. 20A
- Wired or wireless communication as an option
- Capacity test on battery: Under "Offline" status the actual capacity of each single battery can be tested in around 5~20 minutes
- Internal resistance on each single cell in whole set battery can be tested as well.
- According to battery internal resistance we can judge whole set battery dispersion, according to battery resistance (Ohm resistance and polarization resistance)
- The online inspection of battery function: When battery under online discharging, even-charging, boosting status, we can supervise single battery in whole set battery. The supervision including whole voltage, single battery voltage, charging and discharging currency, battery supervision time, charging/discharging volume, etc.
- Quick evaluation on battery quality
- Confirming discharging test according to different ratio and get practical volume of battery
- Supervise each single battery voltage during online discharging
- • Whole set battery voltage is 48V and single battery voltage is 2V/6V/12V. Users can decide how to set single battery voltage

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HVBD200A

Battery Discharge Unit 30V, 110V, 20A

Additional Features:

- Easy to operate: All input is simple menu, human interface, clear procedure, every step and interface will give user brief tips avoid incorrect operation fundamentally
- The instruments can analyse according to main test function on the histogram and the curve chart.
- It's unnecessary to upload the result in PC.
- Data will be transferred to PC for the storage management. It can analyze and store historical data in long time;
- Tester host integrated monitoring part and power part together, and power part adopted latest high efficiency components
- Adopted new special low-heat hi-efficiency loading material and advanced control technology ensure the higher constant current precision.
- It can be mounted and used for any large volume battery to test the actual volume
- Providing data management, print, analyze, count report, automatic generate test report. Zoom or minimize the voltage curve for easy observation.
- The auto-test and protection function: During test if we find whole battery set or single battery have any problem test will stop automatically to avoid any further damage and completely prevent shock on the device; test can be cut off according to actual condition as well
- After test all test result will be displayed automatically and according to these data advise
- maintenance option

TECHNICAL SPECIFICATIONS

- | | |
|---------------------------------|--|
| • Model | 30V 110V /20A |
| • Single voltage test type | 2V / 6V / 12V |
| • Single voltage test range | 2V:0~4V, 6V:0~8V, 12V:0~15V |
| • Single voltage resolution | 2V / 6V:0.001V, 12V:0.01V |
| • Whole set voltage test range | 30V:27-36V, 110V: 95V~130V |
| • Whole set voltage resolution | 0.01V |
| • Voltage test precision | 0.5% |
| • Discharging range | 2~20A can be set continuously,
over 20A we need the extra loading |
| • Constant discharging voltage | 30V:27-36v 110V: 95V~130V |
| • Discharging control precision | 0.1A |
| • Current test precision | 1% |
| • Working voltage | AC 220V |
| • Cooling | Air cooling |
| • Communication | USB Communications |
| • Display | 7" colour LCD touch screen |
| • Overall dim. | <i>Depending on model</i> |
| • Weight | <i>Depending on model</i> |

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